

Converting Colors

$Yxy(72.7587, 0.2749, 0.3384)$

Have a look what the booklet for
Yxy(72.7587, 0.2749, 0.3384)
contains.

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Color

Yxy(72.4436, 0.2749, 0.3383)

Conversions

Conversions Part 1

Format	Color
Hex	A6EAE2
RGB	166, 234, 226
RGB Percent	65%, 92%, 89%
CMY	0.3492, 0.0823, 0.1137
CMYK	0.29, 0.00, 0.03, 0.08
HSL	173°, 62%, 78%
HSV	173°, 29%, 92%
XYZ	58.8671, 72.4436, 82.8294
YIQ	212.7560, -37.9600, -16.9040

Conversions

Conversions Part 2

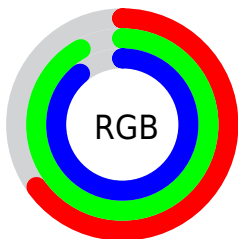
Format	Color
RYB	166, 202, 234
Decimal	10939106
CIELab	88.18, -22.86, -2.95
CIELCh	88, 23.047, 187.354
Yxy	72.4436, 0.2749, 0.3383
Android (android.graphics.Color)	4289129186 (0xFFA6EAE2)
YUV	212.7560, 6.5293, -41.0050
Hunter-Lab	85.1138, -25.4935, 1.8810

Details

The Yxy color **72.4436, 0.2749, 0.3383** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.8028, 0.3696, 0.3201**, and the grayscale version is **66.3370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **38.2258, 0.2662, 0.3398** is the 20% darker color. If you saturate the color by 10%, you get **69.9943, 0.2640, 0.3420**, and if you desaturate by 10%, it is **75.3613, 0.2871, 0.3348**.

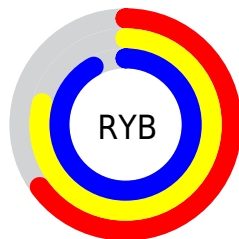
Distribution



Red (65%)

Green (92%)

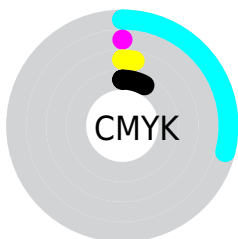
Blue (89%)



Red (65%)

Yellow (79%)

Blue (92%)

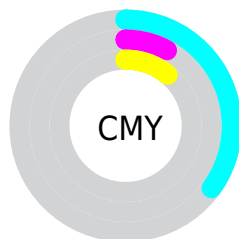


Cyan (29%)

Magenta (0%)

Yellow (3%)

Black (8%)



Cyan (35%)


Magenta (8%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.4436, 0.2749, 0.3383 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 72.4436, 0.2749, 0.3383 by changing the saturation by 10% instead.


 72.4436, 0.2749,
0.3383


 72.4436, 0.2749,
0.3383


469.0841, 0.2923,
0.3342

 53.5211, 0.2710,
0.3392

 122.6870, 0.2809,
0.3369

 38.2189, 0.2661,
0.3403


 154.7767, 0.2833,
0.3363

 26.1527, 0.2600,
0.3417


192.0243, 0.2853,
0.3359

 16.9379, 0.2520,
0.3434

234.8142, 0.2870,
0.3354

 10.1902, 0.2412,
0.3457

283.5307, 0.2886,
0.3351

 5.5253, 0.2258,
0.3487

338.5583, 0.2900,

 2.5586, 0.2023,

0.3347

400.2813, 0.2912,
0.3344

0.3529

0.9059, 0.1252,
0.3744

0.0000, 0.0000,
0.0000

72.4436, 0.2749,
0.3383

72.4436, 0.2749,
0.3383

69.9943, 0.2640,
0.3420

75.3613, 0.2871,
0.3348

67.9796, 0.2546,
0.3459


78.7616, 0.3002,
0.3317


66.3750, 0.2469,
0.3499

82.6691, 0.3140,
0.3287

65.1501, 0.2412,
0.3540


86.2301, 0.3251,
0.3261

 64.2702, 0.2374,
0.3581


 86.3925, 0.3233,
0.3234

 63.6942, 0.2355,
0.3622

 86.5574, 0.3215,
0.3207

 63.3587, 0.2352,
0.3663

 86.7248, 0.3198,
0.3180

 63.3326, 0.2352,
0.3667

 86.8947, 0.3180,
0.3154

 87.0671, 0.3163,
0.3128

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.4436, 0.2980, 0.3627



72.4436, 0.2749, 0.3383



72.4436, 0.2619, 0.3123

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.4436, 0.2749, 0.3383



72.4436, 0.2978, 0.2858



72.4436, 0.3660, 0.3631

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



72.4436, 0.2749, 0.3383



47.8028, 0.3696, 0.3201

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.4436, 0.3663, 0.3418



72.4436, 0.2749, 0.3383



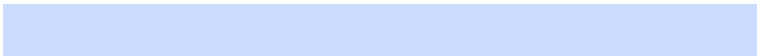
72.4436, 0.3259, 0.2985

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.4436, 0.2749, 0.3383



72.4436, 0.2747, 0.2834



72.4436, 0.3514, 0.3186



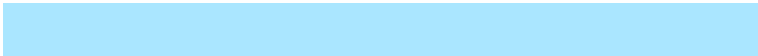
72.4436, 0.3509, 0.3766

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.4436, 0.2749, 0.3383



72.4436, 0.2604, 0.2981



72.4436, 0.3514, 0.3186



72.4436, 0.3679, 0.3566

Sweetspot

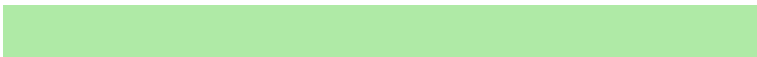
The Sweet Spot groups the original color and five complimentary colors.



72.4465, 0.2749, 0.3383



95.7313, 0.3003, 0.3316



70.7222, 0.3147, 0.4122



20.3530, 0.2983, 0.3321



0.0000, 0.0000, 0.0000



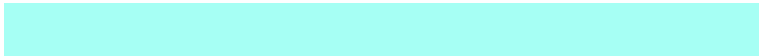
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.4465, 0.2749, 0.3383



86.1613, 0.2681, 0.3405



59.6716, 0.2674, 0.2989



17.0896, 0.2997, 0.3318



35.5966, 0.2350, 0.3660



2.8038, 0.2334, 0.3604

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



47.8028, 0.3696, 0.3201



51.5866, 0.3867, 0.3182



57.4666, 0.3693, 0.3572



15.0829, 0.3274, 0.3263



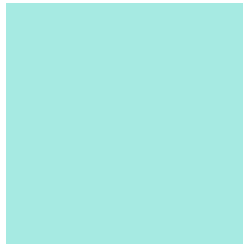
9.8852, 0.6254, 0.3219



0.7857, 0.5961, 0.3058

Previews

White Background



This preview shows how the Yxy color 72.4436, 0.2749, 0.3383 looks on a white background.

Color Contrast Check

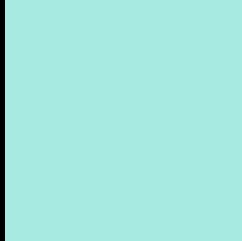
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 72.4436, 0.2749, 0.3383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

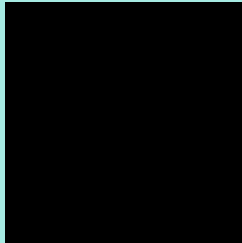
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

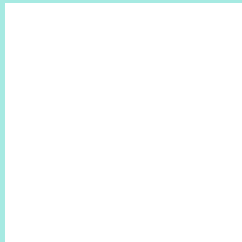
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.4436, 0.2749, 0.3383

Background



This preview shows how black text looks on a background with the Yxy color 72.4436, 0.2749, 0.3383.

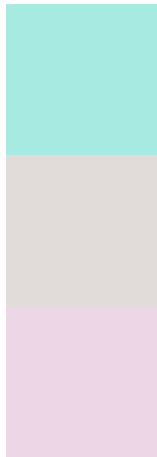


This preview shows how white text looks on a background with the Yxy color 72.4436, 0.2749, 0.3383.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

72.4436, 0.2749, 0.3383

Protanopia

71.7325, 0.3177, 0.3301

Deuteranopia

71.8108, 0.3186, 0.3123



Tritanopia

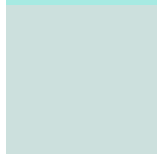
72.6493, 0.2653, 0.3085

Trichromacy



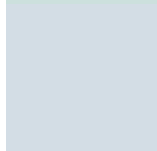
Original Color

72.4436, 0.2749, 0.3383



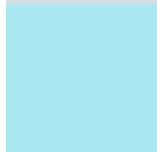
Protanomaly

71.3691, 0.3008, 0.3323



Deuteranomaly

71.2189, 0.3006, 0.3202



Tritanomaly

72.4991, 0.2685, 0.3186

Monochromacy



Original Color

72.4436, 0.2749, 0.3383



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

68.5106, 0.2973, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4436, 0.2749, 0.3383 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(166, 234, 226)` looks like.

```
.text, #text, p{  
    color:rgb(166, 234, 226)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(166, 234, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 234, 226) }
```

Border

The CSS property to change the border of an element to Yxy 72.4436, 0.2749, 0.3383 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 234, 226) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(166, 234, 226) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(166, 234, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 234, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 234, 226);  
box-shadow:4px 4px 4px 4px rgb(166, 234,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 72.4436, 0.2749, 0.3383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 234, 226) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(166,  
234, 226) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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